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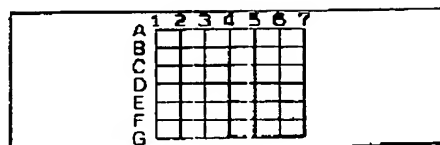
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APPLICANT : NIKON CORP;

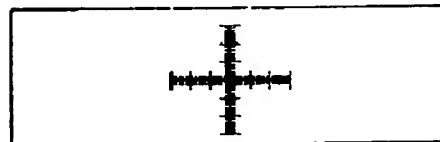
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INT.CL. : G02B 21/34 G01N 21/01 G01N 21/64

TITLE : INDEX GLASS AND FLUORESCENT
OPTICAL APPARATUS FORMED BY
USING THE INDEX GLASS



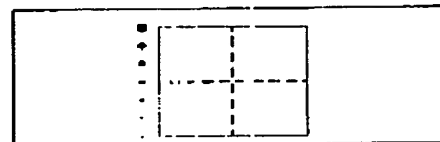
(a)



(b)



(c)



(d)

ABSTRACT : PROBLEM TO BE SOLVED: To make it possible to observe marks which are references at the time of fluorescent observation and measurement and indices, such as coordinates, for alignment operation simultaneously with fluctuation images by forming prescribed patterns by inorg. materials which are excited by irradiation with UV rays to emit fluorescence.

SOLUTION: Slide glass having fluorescent patterns is formed if the product formed by printing the surface of the sliding glass with opaque non-fluorescent ink is printed in the same manner as the conventional products by mingling the particles of the inorg. fluorescent materials with the ink of a transparent medium liquid. Various pattern including grid-shaped square shapes, scales (b), alignment reference lines and reference marks (c), photometric reference spot systems, reference shapes (d) of crystals and cells, etc., meeting purposes are conceivable as the patterns on such slide glass. The inorg. fluorescent materials used in this embodiment are the particulate powder of a strontium compd., etc., and may be excited by the UV rays. The fluorescence is substantially free from brown color and is stable.

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